Mathematics

(Chapter – 10) (Mensuration) (Practice Test 1)

Class VI

Time: 1 Hour 15 Minutes   **M. M: 25**

General Instructions:

➢ This question paper contains four sections: A, B, C and D. Each part is compulsory.
➢ Section A has 5 MCQ of one mark each.
➢ Section B has 3 questions of two marks each.
➢ Section C has 3 questions of three marks each.
➢ Section D has 2 questions of five marks each, attempt any 1 out of 2.
➢ There is no negative marking.

Section – A

1. 1 sq. m is equal to

(A) 100 sq. cm   (B) 1000 sq. cm   (C) 10000 sq. cm   (D) none of these

2. The length and breadth of a rectangle are 10 cm and 8 cm respectively. If its length is doubled, then its new area is

(A) 160 cm   (B) 80 cm²   (C) 160 cm²   (D) none of these

3. What is the amount of the surface enclosed by a closed figure called?

(A) Volume   (B) Area   (C) Space   (D) Perimeter

4. Perimeter of a rectangle with length 5 m and breadth is 50 cm is.

(A) 11 m   (B) 12 m   (C) 13 m   (D) 14 m

5. A table top is covered with 25 squares of equal size. The side of the squares is 3 cm. What is the area of the table top?

(A) 300 sq. cm   (B) 225 cm   (C) 225 sq. cm   (D) 300 cm

Section – B

6. The amount of region enclosed by a plane closed figure is called its…….

7. Area of rectangle with length 5 cm and breadth 3 cm is ………

8. State True and False. Area of square is doubled if the side of the square is doubled.

Section – C

9. Find the sides of the square whose perimeter is:

(A) 16 m
(B) 40 cm
(C) 22cm

10. A rectangular piece of lawn is 55 m wide and 98 m long. Find the length of the fence around it.

11. Two sides of triangle are 15 cm and 20 cm. The perimeter of the triangles is 50 cm. what is the third side?

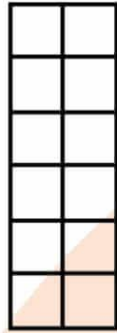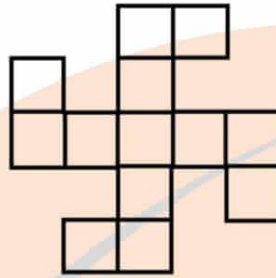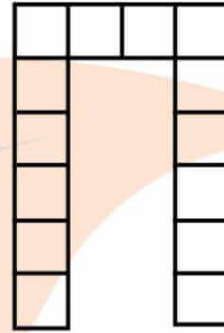12. Find the area and Perimeter of each of the following figures, if area of each small square is 1sqcm.

(i)   (ii)   (iii)

13. The area of a rectangular field is 1600sqm. If the length of the field is 80m, find the perimeter of the field.

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Answers

Section – A
1. 10000 sq. cm
2. 160 cm²
3. Area
4. 11 m
5. 225 sq. cm

Section – B

6. Region enclosed by any plane closed figure is called its area. The amount of region enclosed by a plane closed figure is called its area.

7. Area of rectangle = length × breadth = 5 cm × 3 cm = 15 cm.

8. Area of a square becomes four times if the side of the square is doubled. So, given statement is false.

Section-C

9. (A) Perimeter of square = 4 × side
16 = 4 × side → side = 4 m

(B)Perimeter of square = 4 × side
Side = 10 cm

(C) Perimeter of square = 4 × side
Side = 5.5 cm

10. Length of the fence around the lawn = Perimeter of the lawn = 2 × (Length + Breadth)
Length of fence around the lawn = 306 m.

11. Perimeter of a triangle = sum of all three sides of the triangle
Length of the third side= (Perimeter of the triangle) - (sum of the length of the other two sides)
= 15 cm

Section – D

12. (i) Area of given figure = 11 cm²
Perimeter of given figure = 18 cm

(ii)Area of given figure = 13 cm²
Perimeter of given figure = 28 cm

(iii)Area of given figure = 13 cm²
Perimeter of given figure = 28 cm

13. Area of rectangular field = 1600 m²
B = 20 m
Perimeter of rectangular field = 2 (l + b) = 200 m.